List and Description of Features of each Model

Essential Features of All Models

Use MMS E&D scenarios (plus some additional forecasted data) as inputs to estimate incremental impacts of *new* activities

Do not require manual input

Allow annualized input data over several decades of activity expected to result from individual sales or from (schedules of proposed sales in) 5-year programs

Onshore areas correspond to those used by MMS for analysis

Cost functions allocate spending to various sectors, not just to a composite oil and gas sector

Separate cost functions for the various phases of exploration, development, and production

Allocations do not assume all spending occurs in the U.S.

Allow for substitution of older IMPLAN data with the latest available

Work in Windows 2000/Office XP environment

Provide at least direct, indirect, and induced employment and personal income

Transparent to user

Gulf of Mexico

Extensive software training not needed

Fairly simple to use

Easy to update/modify

    Replace older multipliers with newer ones

    Adapt for single projects (assuming available data)

    Modify cost functions, including planning-area-specific allocations (assuming available data)

    Customize output

        Get first-round expenditures only

        Add or delete types of estimates (employment, etc.)

Cost functions are by MMS water-depth categories

Alaska

Extensive software training not needed (but learning how to prepare a model takes time)

Easy to update/modify

    Replace older multipliers with newer ones

    Adapt for single projects (assuming available data)

    Adapt for different planning areas and corresponding onshore areas without additional cost function data

    Estimate effects for NSB "local" population only or include oil-enclave population

    Planning-area-specific allocations

        Modify model assumptions by changing any of more than 100 user-specified
             parameters
        Customize output
             Get first-round expenditures only
             Add or delete types of estimates (employment, etc.)
Detailed allocation of expenditures
Separate estimates for goods & services and for personal consumption expenditures
Allocation of expenditures is phase-specific (e.g., percentage allocated to sector 38 in
      Kenai or NSB differs from one phase to another, while the GOM models always
      allocate the same percentage of sector 38 expenditures to area LA-1 whether the
      phase is drilling, production, or any other)
Anticipates some exploration and production technologies not now in use
Detailed documentation of data behind first-step models